

DERWENT-ACC-NO: 1989-328818

DERWENT-WEEK: 198945

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TITLE: ABS resin compsn. for calendering - consists of ABS resin, metal soap,

fatty acid ester and/or plasticiser

PATENT-ASSIGNEE: TSUTSUNAKA PLASTIC IND CO LTD[TSUTN]

PRIORITY-DATA: 1988JP-0072867 (March 25, 1988)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
JP 01245045 A	September 29, 1989	N/A	004 N/A
JP 94029357 B2	April 20, 1994	N/A	003 C08L

055/02

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP01245045A	N/A	1988JP-0072867	March 25,
1988			
JP94029357B2	N/A	1988JP-0072867	March 25,
1988			
JP94029357B2	Based on	JP 1245045	N/A

INT-CL (IPC): B29C043/24; B29K055/02 ; C08K005/04 ; C08K005/09 ;
C08K005/10 ; C08L055/02 ; C08L055/02 ; C08L067:00 ; C08L055/02 ;
C08L063:00

ABSTRACTED-PUB-NO: JP01245045A

BASIC-ABSTRACT: ABS resin compsn. for calendering consists of A 100 pts. wt.

of ABS resin, B 0.1 to 4 pts. wt. of metal soap, and C 0.05 to 3 pts. wt.
of
fatty acid ester and/or (D) 0.05 to 5 pts. wt. of plasticiser having mol.
wt.
of at least 1,000. It may also contain (E) an antistatic high molecular cpd.

Pref. (B) is a stearate or laurate of Ba, Ca, Zn, Mg, Pb or Cd. (C) is pref.
a
lower alcohol ester of fatty acid, polyhydric alcohol ester of fatty acid or
polyglycol ester of fatty acid. (D) is pref. epoxidised soy bean oil, adipic
acid-type polyester or phthalic acid-type polyester. Pref. (E) is e.g.,
polyether esteramide .

ADVANTAGE - The ABS resin compsn. is easily taken off from rolls in
calendering

and formed into sheets having smooth surface without flow mark.

DERWENT-CLASS: A13 A60 E12

CPI-CODES: A04-C03; A08-M03B; A08-P01; A08-S04; A11-B05; E05-B01; E05-F02;
E05-L03C; E05-M; E10-D03D; E10-E04G; E10-G02F; E10-G02G; E10-G02H;

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	56816	antistatic or anti-static or anti adj static	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 07:51
2	L2	512851	polyester or (polyethylene or polybutylene) adj terephthalate or polycarbonate or polyoxymethylene or polyacetal or polyphenylene adj sulfide	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 07:52
3	L3	240	polyetherester adj amide or polyether?ester?amide or polyether-ester-amide or perestat adj "6321"	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 07:53
4	L4	142003	ethylene near5 methacrylic near5 sodium or sulfonic or (sodium or lithium) adj (iodide or montanate)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 07:54
5	L5	111270	plasticizer or polyethylene adj glycol adj5 hexanoate	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:05
6	L6	3	1 and 2 and 3 and 4 and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 07:56
7	L7	31	1 and 2 and 3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:08
8	L8	4	plasticizer same (polyethylene adj glycol adj5 hexanoate) or rionon adj deh-40	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:00
9	L9	1367473	sodium or lithiun or ammonium or potassium or magnesium or calcium or copper	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:07

	L #	Hits	Search Text	DBs	Time Stamp
10	L10	6	1 and 2 and 3 and 5 and 9	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:08
11	L11	466	polyether adj esteramide or polyetheresteramide	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:08
12	L12	71	1 and 2 and 11	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:09
13	L13	20	12 and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:17
14	L14	0	rionon	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:17
15	L15	4033	plasticizer same polyethylene adj glycol	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:19
16	L16	3	1 and 2 and (3 or 11) and 15	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:19
17	L18	0	1 and 2 and (3 or 11) and 17	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:18
18	L17	9	(polyethylene adj glycol adj5 hexanoate)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:18

	L #	Hits	Search Text	DBs	Time Stamp
19	L19	1622	plasticizer near10 polyethylene adj glycol	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:19
20	L20	0	1 and 2 and (3 or 11) and 19	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:19
21	L21	42	2 same 3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:20
22	L22	4	21 and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:20
23	L23	12	2 and 3 and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:20
24	L24	71	2 and (3 or 11) and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:26
25	L25	655143	abs or polyethylene or polpropylene or epdm	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:27
26	L26	7	1 and (3 or 11) and 4 and 5 and 25	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:27
27	L27	24	1 and (3 or 11) and 5 and 25	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 08:27

	L #	Hits	Search Text	DBs	Time Stamp
28	L28	731176	mold\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 11:20
29	L29	377311	salt near5 (sulfonic or acid)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 11:31
30	L30	23	1 and 2 and (3 or 11) and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 11:32
31	L31	16	30 and 29	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 11:57
32	L34	12	poly?ether?ester?amide	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 11:57
33	L35	639	3 or 11 or 34	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 11:57
34	L36	25	1 and (2 or 25) and 35 and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:57
35	L38	0	35 and 37	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:01
36	L37	46	plasticizer same polyalkylene adj ether	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:05

	L #	Hits	Search Text	DBs	Time Stamp
37	L39	21	polyethylene adj glycol adj5 (ethylhexanoate or hexanoate)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:42
38	L40	0	39 and 3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:03
39	L41	0	39 and 35	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:03
40	L42	118	1 and (2 or 25) and 35	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:05
41	L43	93	42 not 36	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:05
42	L44	0	43 and plasticiz\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:33
43	L45	0	(polyalkylene adj ether or 39) and 43	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:08
44	L46	1	lionon	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:16
45	L49	16	35 same plasticiz\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:55

	L #	Hits	Search Text	DBs	Time Stamp
46	L51	15	((("5096995") or ("5169899") or ("3839245") or ("4548978") or ("5523341") or ("5817723"))).PN.	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:39
47	L52	14	4548978.URPN.	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:37
48	L53	4	51 and plasticiz\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:39
49	L54	10	52 and plasticiz\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:42
50	L55	7	tegmer adj "809"	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:42
51	L56	65	polyethylene adj glycol adj5 (ethylhexoate or hexoate)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:43
52	L57	0	56 and 35	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:44
53	L58	8	gb-2112789-\$.did. or gb-2063279-\$.did. or ep-303489-\$.did. or ep-242158-\$.did.	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:45
54	L66	3496	(polyethylene adj glycol) same plasticiz\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:56

	L #	Hits	Search Text	DBs	Time Stamp
55	L67	6	66 and 35	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:56
56	L68	0	1 and (2 or 25) and 35 and 56	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:57
57	L69	43	56 same plasticiz\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:58
58	L70	2	69 and 1	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 12:58

	Type	L #	Hits	Search Text	DBs	Time Stamp
59	BRS	L78	4300	water adj repellant	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:38
60	BRS	L79	24	1 and 25 and 35 and 5	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:42
61	BRS	L80	0	78 and 79	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:39
62	BRS	L81	20212	water adj repellent or water-repellant or water-repellent	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:39
63	BRS	L82	0	81 and 79	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:39
64	BRS	L83	5	79 and (silicone or \$4tetrafluoroethylene)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:42
65	BRS	L84	0	1 and 25 and 35 and 81	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:42
66	BRS	L85	0	1 and 25 and 35 and 78	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:42
67	BRS	L86	11	1 and 25 and 35 and (silicone or \$4tetrafluoroethylene)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:49

	Type	L #	Hits	Search Text	DBs	Time Stamp
68	BRS	L87	810	1 and 81	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:46
69	BRS	L88	110	1 and 81 same (silicone or \$4tetrafluoroethylene)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:52
70	BRS	L89	22	1 and 78 same (silicone or \$4tetrafluoroethylene)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:48
71	BRS	L92	9041	1 and (silicone or \$4tetrafluoroethylene)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:11
72	BRS	L93	6490	92 and 25	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 13:53
73	BRS	L94	186	93 and 1.ti.	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:00
74	BRS	L95	2287	93 and mold\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:00
75	BRS	L96	33	95 and copier	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:06
76	BRS	L97	271	95 and (printer or electrophotographic)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:07

	Type	L #	Hits	Search Text	DBs	Time Stamp
77	BRS	L98	2428	mold\$3 same (printer or electrophotographic)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:07
78	BRS	L100	28	93 and 98	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:08
79	BRS	L101	1999	1 same (silicone or \$4tetrafluoroethylene)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:08
80	BRS	L102	1044	101 and 25	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:08
81	BRS	L103	228	102 and mold\$3	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:10
82	BRS	L104	0	103 and 35	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:09
83	BRS	L105	6	102 and mold\$3 same (copier or printer or electrophotographic)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:16
84	BRS	L106	47	35 and (silicone or \$4tetrafluoroethylene)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:15
85	IS&R	L107	5	((("5258422") or ("6031039"))).PN.	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:15

	Type	L #	Hits	Search Text	DBs	Time Stamp
86	BRS	L108	18	1 same mold\$3 same (copier or printer or electrophotographic)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:20
87	BRS	L109	0	108 and 35	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:17
88	BRS	L110	3	36 and (copier or printer or electrophotographic)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:20
89	BRS	L112	1	1 and 111	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:28
90	BRS	L111	25	guide near3 part near3 (electrophotographic or copier)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:28
91	BRS	L113	1405	guide near5 (electrophotographic or copier)	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:29
92	BRS	L114	7	113 and 1	USPAT; US-PGPU B; EPO; JPO; DERWENT ; IBM TDB	2001/05/07 14:30